

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A digital broadcasting storage device using a mark-up language, the storage device comprising:

user interface means ~~adapted to allow~~ for allowing EPG (electronic program guide) information to be used or searched;

metadata processing means ~~adapted to process and parse~~ for processing and parsing received XML (Extensible Markup Language)-formatted EPG information and for allowing the processed EPG information and searched information to be displayed by using an user interface API (Application Programming Interface) and for allowing the necessary data to be stored by using a database management system API;

storage means ~~adapted to store~~ for storing the received processed and parsed EPG information and the necessary data;

searching means ~~adapted to search and provide the stored and received and parsed EPG information~~ for using at least one of a title, a keyword and a genre according to a user's request and provide the searched information to user through the user interface means; and

controlling means ~~adapted to control~~ for controlling the processing, storage and searching of the received and parsed EPG information,

wherein the metadata processing means further comprises preference extracting means ~~adapted to extract~~ for extracting a preference that is ~~one of either~~ directly inputted by a user and or automatically created from a watch record based upon specific digital broadcasts previously accessed by the user.

2-3. (Canceled)

4. (Original) The storage device according to claim 1, wherein the controlling means comprises:

database managing means for managing information of the storage means;

media file system managing means for managing a file system; and

a media router for controlling a peripheral device.

5. (Previously presented) The storage device according to claim 1, wherein the metadata processing means comprises:

a media management engine adapted to manage at least one of recording and reproduction of at least one of digital video and digital audio;

a metadata processing engine adapted to process and store the XML-formatted information; and

an XML parsing engine adapted to parse the stored XML-formatted information.

6. (Currently Amended) A digital broadcasting storage method using a mark-up language, the method comprising:

receiving XML (Extensible Markup Language)-based EPG (electronic program guide) information;

extracting metadata from the received XML-based EPG information;

processing, parsing and storing the extracted metadata;

allowing the extracted metadata to be displayed to the user by using an user interface API (Application Programming Interface) or to be stored by using a database management system API;

searching the stored metadata using at least one of a title, a keyword and a genre in response to a user's request to provide the EPG information, the search being performed according to a user preference that is either directly inputted by the user or automatically created from a watch record based upon specific digital broadcasts previously accessed by the user; and allowing the searched EPG information to be displayed to the user by using the user interface API or to be stored by using database management system API.

7-13. (Cancelled)